## This Page Is Inserted by IFW Operations and is not a part of the Official Record

## **BEST AVAILABLE IMAGES**

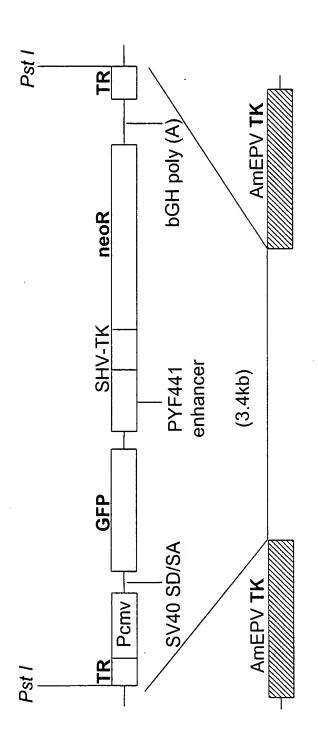
Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
  - GRAY SCALE DOCUMENTS

## IMAGES ARE BEST AVAILABLE COPY.

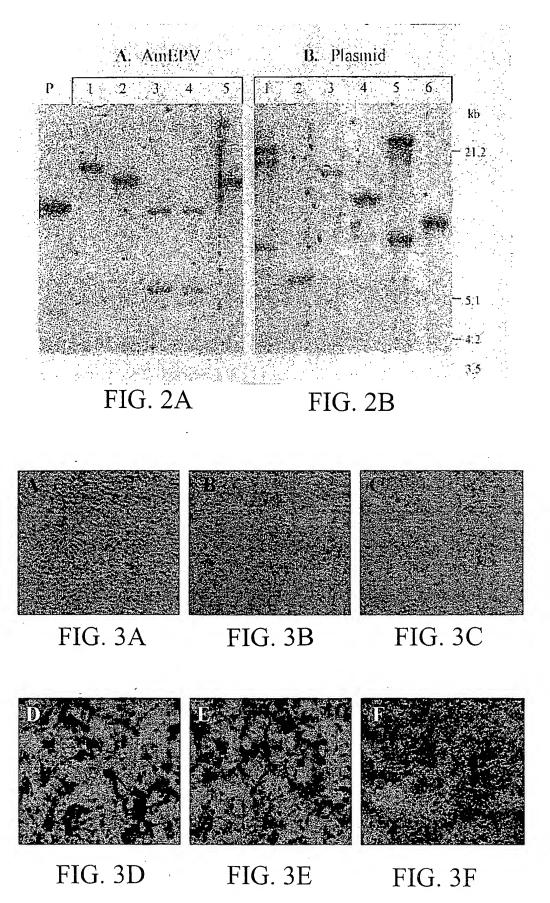
As rescanning documents will not correct images, please do not report the images to the Image Problem Mailbox.

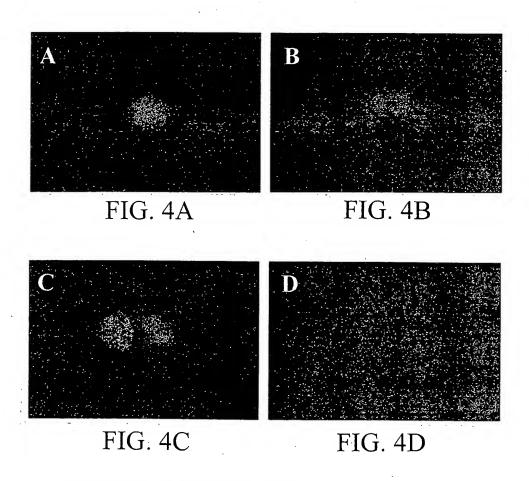


4

FIG.

pTKUF5





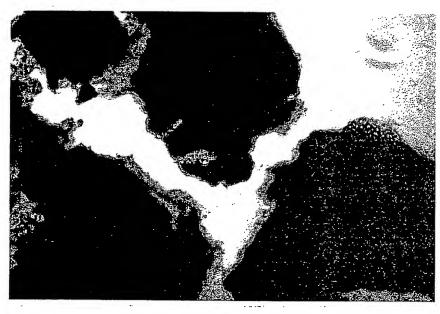


FIG. 5

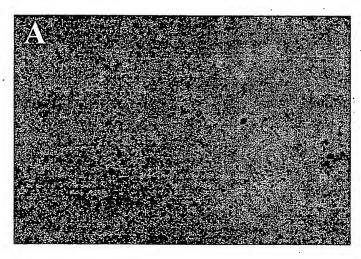


FIG. 6A

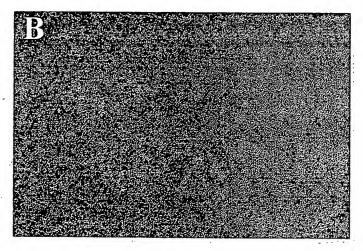


FIG. 6B

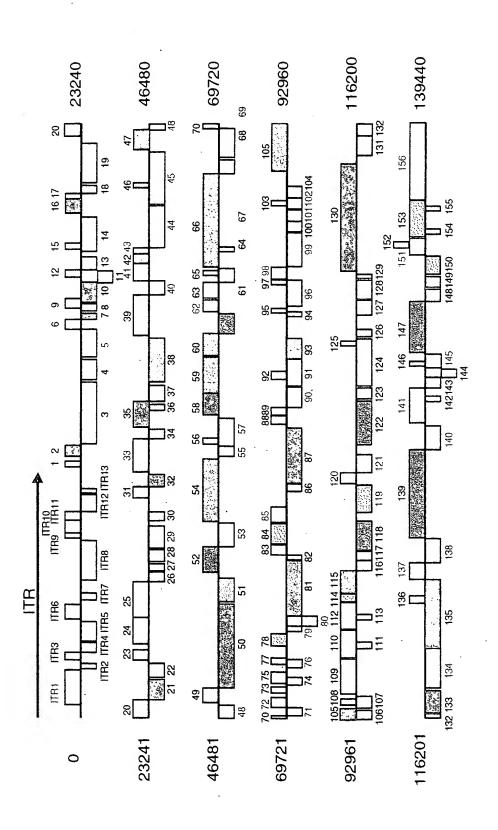


FIG. 74

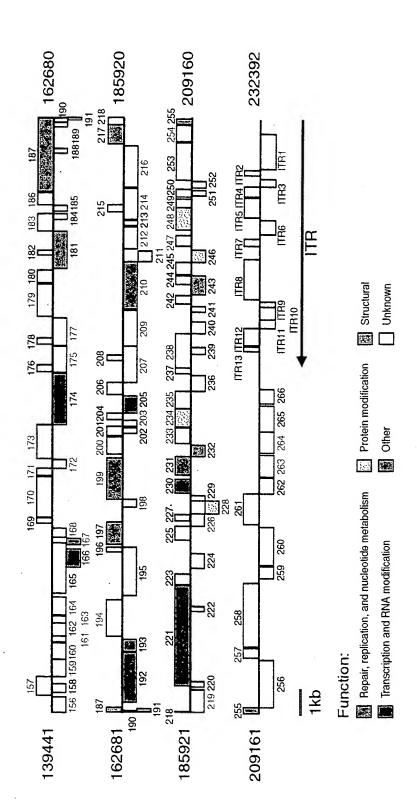
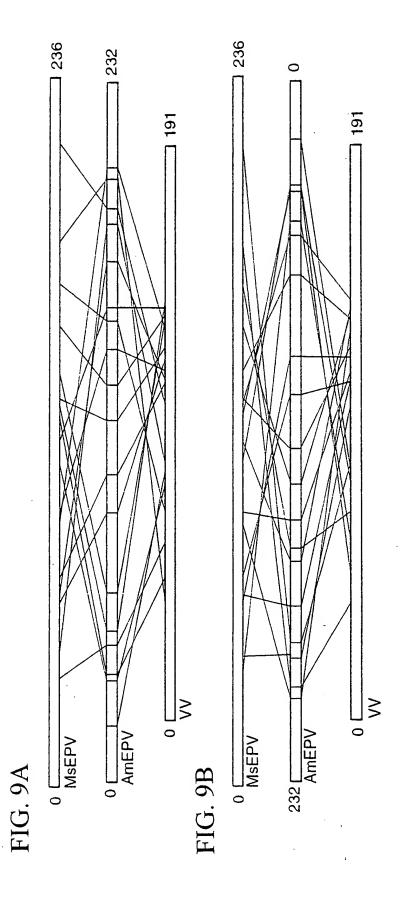


FIG. 7B





100 TNMYSDY.N. TNMYSDY.K. LDLYKDY.N. NELYKNLTN. NELYKNLGMI.	200 RDPFPNDWDE RDPFPNDWDD RYPFPDDFPP KYMPINKWNN RCPFPDOWIK	300 KKYNDINKNN KKYNDINKNN KYYDDINKSI SAY.NILKIY HMYFMI,RTVY Y	
		· · ·	
SGKGYHIPLL SGKGYHIPLL SGKGYHIIKL SSKAYHFNIL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL SAPGTHIRYL	LKPI.ALIKO LKPI.SLVKO LRPLYSLIKF LNPTYSLLKF LNPVASSLKW L-PK- L-PSL-K-	YLKTENLPFL YIKSENKPIL TNKFDNM SNLYDNNN DYPNQEYDYF	
NKIINILYIG NENINILYIG DRPIYULYIG NGIVNILYIG ATVVXIG YIG NNILYIG	YDIONYVLKO YELONYILKE XKIONNILK YNMONNILY YALONVMISI YON YON	RIAYRULNK KIAYRILNK LIAGFILKS NNISGYILNK	
DVEIYKNYN DVEIHKNYK CNIDALNSK INIKKICNNT LQRHGILDG.	EPNTKNLIHD EPNTKNLIND EPRTKNLIDD KSNVRDLLYH EPSTADLLSN L	YRFDNFNDY. YRFQNDNDY. YRIINKNDI. .NCSGYNDIY. VRNKV.	362 NK
LINEIRFLTE IMNETRELTE IMTELOFFUN ILSOIOFISN ILGELFELSK I	DIRTIDDDKI DIRTDDDDD DIRSTDGS DYDD DYSKRGGN. DDD	DKKLAWYNTK DRKLAWYNMK EEKMYYNKN YEKMNYYN. - EKKMYYLNKI K N K YN	NRNSKRSVRG
SO NFRRPGQIKL DERROGOIKL N KHPGQLKL KLPYQGQLKL KLPYQGQLKL	150 ENIONLLFIS ENIONLLFIT KNKKPLLFIS KDKYPLILIY LHPSKIILIS 	250 NLDVLKTRNI NSVILNKRGI NFSKEESILF TFDEIESENY RVTKSPVVNY RVTKSPVVNY	350 KISSKNSMSK NRNSKRSVRG
KKNTKP. YIF DENFNPGKKF KPNNVS DYNNNTIKKY EPESANEVAK ELLELELELE DONN-N-KK-	I FDKKDVELY Y FUKSDVEKY Y FTEKNINEF LFTEDDIIDF EYLKS. IKO 	VCGATTFTKV ISGITTFVDI VSEQNIILK. IDNKNIMT.L IYTGENMRLT	EKVSHEPIQR
I KNERPY I NNEIEY I NNOI.KY I. CRNMNDOLIY I	KNNNVNIYNO NNNNIKIYDT YVSINND YNIENNK VTLVTRFVDK	HDSAEYRIF. YNSAEYRIF. PQSTEMRIF. KSLHTRNI. SYSAEMRI,LS -SR	RFLNIPTTST
.NPIIYYISD .MPQYYYISD KKRNVLIFDN MKPLYYTYYD DKP.FMYFEE P-F-F	HCDKLNEISN HCEKLYNIOK HCISLERMSO PCISVERLS HDPILNGLRD -C	GKEYVQCFQK GKEYIQCFQK GIKYLPTI: GNKMLQPFCG G	TINDN EMGYY DISFNKLDIK DKIFRSKEKY KVLFLQQSIF
MSIYMKINDE MSIYMKINDE MDVNKYINDE MDVVSL	101 IIWHLYDPNG IOWDLYDPCG IKWYLYDPSG IQWYFYDIID IKWMLIDGRH I-WD I-WYD	201 SYEMYI.PD. SYELSI.PD. SIENGEVYUD. SENDYEYIET DFYIPH	301 IKSVIKSISK IKNVIRSLSK ENSINNOIRE EKNIINTINE CKTFPTTKP 
HaEPV AMV060 MSV041 AMV115 VVJ3R Consensus Insect Cons AmEPV Cons	HaEPV AMVO60 MSVO41 AMV115 VVJ3R Consensus Insect Cons	HaEPV AMVO60 MSV061 MSV0115 VVJ3R Consensus Insect Cons AmEPV Cons	HaEPV AMV060 MSV041 AMV115 VVJ3R Consensus Insect Cons

FIG. 10

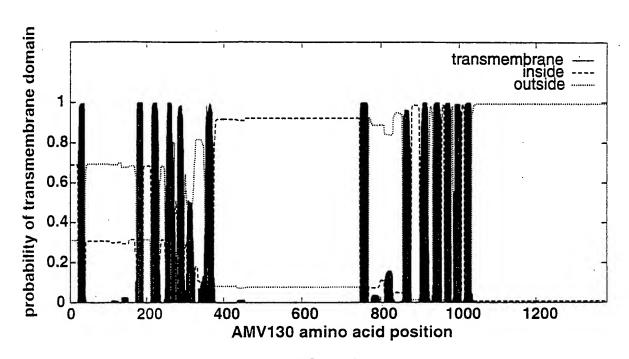


FIG. 11

<sup>1</sup> MNYYILLCLF MLFSSSYNFK LINNNICNED YDPGICRIGD 41 IRWYYNYNIK DCKI*FIYGGC GGNMNNFNNY EDC*INKCLI